

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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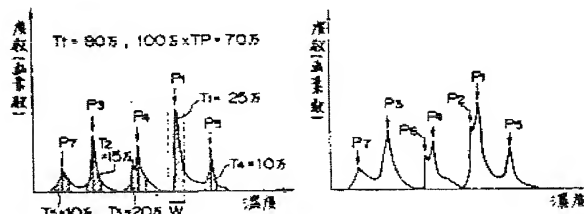
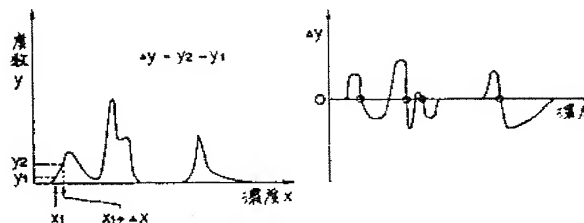
APPLICATION DATE : 28-08-87  
APPLICATION NUMBER : 62213099

APPLICANT : RICOH CO LTD;

INVENTOR : WATANABE HIDEYUKI;

INT.CL. : G06F 15/70

TITLE : METHOD FOR DISCRIMINATING  
MULTICOLOR IMAGE FROM  
FULL-COLOR IMAGE



ABSTRACT : PURPOSE: To accurately discriminate a multicolor image or a full-color image and to shorten time consumed for image processing by discriminating the attribute of an image on the basis of a density histogram.

CONSTITUTION: Respective peaks P are found out from the density histogram of an objective image and n peaks  $P_1 \sim P_n$  are selected in the order of high degree and the number  $T_1$  of image elements included within the width W around the peak  $P_1$  having the highest degree is found out. Then, the numbers  $T_2 \sim T_k$  of image elements included within the widths around respective peaks  $P_2 \sim P_k$  are similarly found out about peaks  $P_2 \sim P_k$  ( $k < n$ ). When the sum  $T_t = T_1 + T_2 \dots T_k$  of the numbers of image elements for respective peaks occupies TP percent of the whole number of image-elements, the image is identified as a multicolor image, and in other cases, the image is identified as a full-color image.

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